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BUREAU OF LAND MANAGEMENT MONTHLY ALERT

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About the MONTHLY ALERT ...

Forestry Topics

1. Forests and Forestry
General treatments of the subject; forestry and society; topical issues; education; agency annual reports.

2. Forest Operations
a. Silviculture: silvicultural systems; economics; stand improvement; measurement; operations management; natural and artifical regeneration, genetics.
b. Engineering: road construction; protective works; logging; equipment.

3. Forest Injury and Protection
Insect damage and control; pesticide applications; insect and disease surveys; forest pathology.

4. Fire Management
All aspects, including presuppression, prevention education, behavior; fire weather.

5. Watershed Management, with Soil and Site Factors
Hydrology; runoff; sedimentation; erosion; climatology; meteorology; habitat regions; precipitation.

6. Range and Wildlife Management

7. Forest Recreation

8. Forest Products Research
Wood technology and utilization; markets and marketing; forest products industries.

Allied Topics

9. Life Sciences
Plant and animal ecology; botany; environmental quality; biochemistry; zoology; physiology; animal genetics.

10. Computer Science, Statistics and Mathematics

11. Social Sciences
Environmental policy; regional planning; landscape analysis and planning; behavioral psychology; personnel management; office procedure and management.

12. Other Topics

The citations listed in this **Alert** are arranged in broad topical categories. This permits browsing by subject interest.

The **Species Index** and the **Subject Index** on the following pages identify individual citations by narrower, specific topics, e.g., management treatments, problem areas, and geographic locations.

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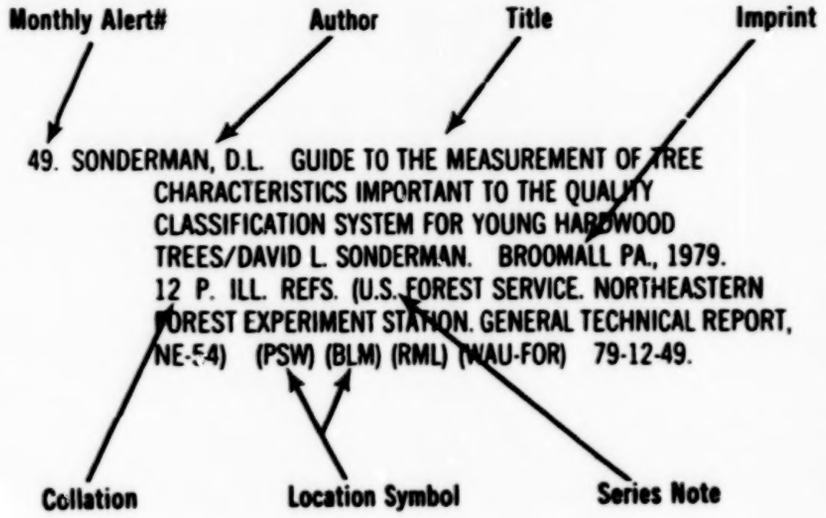

I

About Bureau of Land Management *Monthly Alert*

Bureau of Land Management *Monthly Alert* announces recent publications significant to natural resources management and research. These publications are located and made available through an interagency agreement between BLM and the USFS Forest Information Network. Subject areas are generally limited to renewable resources and fire management.

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II

BLM-ALERT!

BLM's Management Alert section will be available in next month's issue.

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GEOLOGY ALERT

COAL/HYDROCARBONS

G001. MONOGRAPH TITLE: Innovative applications of petroleum technology in the Rocky Mountain area
EDITOR(S): Coalson, Edward B.; Osmond, John C.; Williams, Eugene T.
PUBLISHER: Rocky Mountain Association of Geologists, Denver, CO, United States p. 171-182
DATE: 1997

G002. MONOGRAPH TITLE: Water-quality assessment of the Rio Grande Valley, Colorado, New Mexico, and Texas; organic compounds and trace elements in bed sediment and fish tissue, 1992-93
AUTHOR(S): Carter, Lisa F.
SOURCE: Water-Resources Investigations - U. S. Geological Survey
DATE: 1997 23 p.
REPORT NO.: WRI 97-4002

GROUNDWATER/HYDROLOGY

G003. MONOGRAPH TITLE: Ground-water quality assessment of the Carson River basin, Nevada and California; results of investigations, 1987-91
AUTHOR(S): Welch, Alan H.; Lawrence, Stephen J.; Lico, Michael S.; Thomas, James M.; Schaefer, Donald H.
SOURCE: U. S. Geological Survey Water-Supply Paper
DATE: 1997
REPORT NO.: W 2356-A

G004. MONOGRAPH TITLE: Comparison of chlorofluorocarbon-age dating with particle-tracking results of a regional ground-water flow model of the Portland Basin, Oregon and Washington
AUTHOR(S): Hinkle, Stephen R.; Snyder, Daniel T.
SOURCE: U. S. Geological Survey Water-Supply Paper
DATE: 1997 47 p. 1 sheet
REPORT NO.: W 2483

MINERALS/MINERALOGY

G005. TITLE: The techniques of gold mining; California's argonauts used methods developed in ancient times
AUTHOR(S): Jones, Bob
SOURCE: Rock & Gem vol. 28 no. 1; p. 34-37
DATE: 199801

G006. MONOGRAPH TITLE: Montana's industrial minerals
AUTHOR(S): Berg, Richard B.
PUBLISHER: Montana Bureau of Mines and Geology, Butte, MT, United States
SOURCE: MBMG Open-File Report
DATE: 198907 39 p.
REPORT NO.: 217

G007. TITLE: Extensional faulting, footwall deformation and plutonism in the Mineral Mountains, southern Sevier Desert
AUTHOR(S): Coleman, Drew S.; Bartley, John M.; Walker, J. Douglas; Price, David E.; Friedrich, Anke M.
MONOGRAPH TITLE: Mesozoic to Recent geology of Utah
EDITOR(S): Link, Paul Karl; Kowallis, Bart J.
PUBLISHER: Brigham Young University, Department of Geology, Provo, UT, United States
SOURCE: Geology Studies vol. 42, Part 2 p. 203-233
DATE: 1997

G008. MONOGRAPH TITLE: Tailings and mine waste '97; proceedings
AUTHOR(S): Nelson, John D.
CONFERENCE TITLE: Fourth international conference on Tailings and mine waste '97
CONFERENCE LOCATION: Fort Collins, CO, United States,
CONFERENCE DATE: Jan. 13-17, 1997
SOURCE: Proceedings of the ... International Conference on Tailings and Mine Waste vol. 4
DATE: 1997
ISBN: 90-5410-857-6

G009. TITLE: Living with rare and endangered species; a proactive approach for industry
AUTHOR(S): Regis, Andrew J.
MONOGRAPH TITLE: Proceedings of the 32nd annual forum on the geology of industrial minerals
EDITOR(S): Jones, Richard W.; Harris, Ray E.
CORPORATE SOURCE: Wyoming State Geological Survey, Laramie, WY, United States
CONFERENCE TITLE: 32nd annual forum on the geology of industrial minerals
CONFERENCE LOCATION: Laramie, WY, United States,
CONFERENCE DATE: May 19-21, 1996
SOURCE: Public Information Circular - Geological Survey of Wyoming p. 309-313
DATE: 1997
REPORT NO.: 38

G010. TITLE: Industrial minerals on federal lands; locatable, leasable, or salable under federal law?
AUTHOR(S): Linden, Michael A.; Storo, Steve
MONOGRAPH TITLE: Proceedings of the 32nd annual forum on the geology of industrial minerals
EDITOR(S): Jones, Richard W.; Harris, Ray E.
CONFERENCE TITLE: 32nd annual forum on the geology of industrial minerals
CONFERENCE LOCATION: Laramie, WY, United States,
CONFERENCE DATE: May 19-21, 1996
PUBLISHER: Geological Survey of Wyoming, Laramie, WY, United States
SOURCE: Public Information Circular - Geological Survey of Wyoming p. 295-302
DATE: 1997
REPORT NO.: 38

G011. TITLE: Chemical and mineralogical conversion of Andisols following invasion by bracken fern
AUTHOR(S): Johnson-Maynard, J. L.; McDaniel, P. A.; Ferguson, D. E.; Falen, A. L.
SOURCE: Soil Science Society of America Journal vol. 61 no. 2; p. 549-555
DATE: 199704

G012. TITLE: Mineralization of selenium-containing amino acids in two California soils
AUTHOR(S): Martens, Dean A.; Suarez, Donald L.
SOURCE: Soil Science Society of America Journal vol. 61 no. 6; p. 1685-1694
DATE: 199712

G013. MONOGRAPH TITLE: Colorado mineral and mineral fuel activity, 1996
AUTHOR(S): Cappa, James A.; Tremain, Carol M.; Hemborg, H. Thomas
SOURCE: Information Series - Colorado Geological Survey
DATE: 1997 29 p.
ISSN: 0271-0285
REPORT NO.: 42

G014. MONOGRAPH TITLE: Natural and mining-related sources of dissolved minerals during low flow in the upper Animas River basin, southwestern Colorado
AUTHOR(S): Wright, Winfield G.
SOURCE: Fact Sheet - U. S. Geological Survey
DATE: 199710 6 p.
REPORT NO.: FS 0148-97

G015. TITLE: Kartchner Caverns, Arizona
AUTHOR(S): Hill, Carol A.
CORPORATE SOURCE: 17 El Arco Drive, Albuquerque, NM, United States
MONOGRAPH TITLE: Cave minerals of the world
Edition: 2
EDITOR(S): Hill, Carol; Forti, Paolo
PUBLISHER: National Speleological Society, Huntsville, AL, United States
p. 350-354
DATE: 1997
ISBN: 1-879961-07-5

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G016. MONOGRAPH TITLE: Innovative applications of petroleum technology in the Rocky Mountain area
EDITOR(S): Coalson, Edward B.; Osmond, John C.; Williams, Eugene T.
PUBLISHER: Rocky Mountain Association of Geologists, Denver, CO, United States
DATE: 1997
ISBN: 0-933979-23-1

G017. TITLE: Gas reserves growth boosts Sacramento Basin
AUTHOR(S): MacKevett, Nat H.
SOURCE: Oil and Gas Journal vol. 96 no. 4; p. 102-105
DATE: 19980126

G018. MONOGRAPH TITLE: Coalbed methane in the Upper Cretaceous Fruitland Formation, San Juan Basin, New Mexico and Colorado
EDITOR(S): Ayers, W. B., Jr.; Kaiser, W. R.
PUBLISHER: New Mexico Bureau of Mines and Mineral Resources, Socorro, NM, United States
SOURCE: Bulletin - New Mexico Bureau of Mines & Mineral Resources
DATE: 1994 216 p.
REPORT NO.: 146
NOTE: Bureau of Economic Geology, Report of Investigations, No. 218; Colorado Geological Survey, Resource Series, No. 31

G019. MONOGRAPH TITLE: Pollution impacts on marine biotic communities
AUTHOR(S): Kennisch, Michael J.
PUBLISHER: CRC Press, Boca Raton, FL, United States
DATE: 1998 310 p.

G020. TITLE: Arizona's Holbrook CO (sub 2) area may hold oil, gas reserves
AUTHOR(S): Petzet, G. Alan
SOURCE: Oil and Gas Journal vol. 95 no. 42; p. 84-85
DATE: 19971020

STRUCTURAL GEOLOGY

G021. TITLE: Bedrock geology of Snyderville Basin; structural geology techniques applied to understanding the hydrogeology of a rapidly developing region, Summit County, Utah
AUTHOR(S): Keighley, Kelly E.; Yonkee, W. Adolph; Ashland, Frank X.; Evans, James P.
MONOGRAPH TITLE: Mesozoic to Recent geology of Utah
EDITOR(S): Link, Paul Karl; Kowallis, Bart J.
PUBLISHER: Brigham Young University, Department of Geology, Provo, UT, United States
SOURCE: Geology Studies vol. 42, Part 2 p. 325-343
DATE: 1997

G022. TITLE: Stratigraphy, sedimentology, and structural geology of gypsum caves in east central New Mexico
AUTHOR(S): Forbes, Jeffrey; Nance, Ray
MONOGRAPH TITLE: Symposium; Evaporite karst; origins, processes.

landforms, examples, and impacts
EDITOR(S): Friedman, Gerald
CONFERENCE TITLE: Evaporite karst; origins, processes, landforms, examples, and impacts
CONFERENCE LOCATION: Denver, CO, United States,
CONFERENCE DATE: Oct. 30, 1996
PUBLISHER: Northeastern Science Foundation, Inc., Rensselaer Center of Applied Geology, Troy, NY, United States
SOURCE: Carbonates and Evaporites vol. 12 no. 1; p. 64-72
DATE: 1997

G023. MONOGRAPH TITLE: Geophysical interpretations of the Libby thrust belt, northwestern Montana
AUTHOR(S): Kleinkopf, M. Dean; Harrison, Jack E.; Stanley, W. D.
SOURCE: U. S. Geological Survey Professional Paper
DATE: 1997 22 p. 2 sheets
ISSN: 1044-9612
REPORT NO.: P 1546
LANGUAGE: English

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Pawlick, Thomas. A killing rain: The global threat of acid precipitation.
San Francisco: Sierra Club Books, c1984.
TD196.A25P38 1984

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AMPHIBIANS.
R1 Herpetology. Upper Saddle River, NJ : Prentice Hall, c1998.
QL641 .H477 1998

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SB993 .G742 1995

ANIMAL POPULATIONS--U. S.--WATER-SUPPLY.
R3 Wood, S. Douglas. The Silt-free reservoir : a more reliable impoundment for providing drinking water to livestock and wildlife. [Denver, Colo.] : U.S. Dept. of the Interior, Bureau of Land Management, [1992]
QL84.2 .L35 no.388

AQUATIC ECOLOGY--WEST (U.S.)--CONGRESSES.
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R8 Sinton, Diana Stuart. Spatial and temporal patterns of windthrow in the Bull Run Watershed, Oregon. c1996.
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